

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051922\
 Data File : VX028817.D
 Acq On : 19 May 2022 12:03
 Operator : JC/MD
 Sample : VX0519WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0519WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/20/2022
 Supervised By : Mahesh Dadoda 05/20/2022

Quant Time: May 20 01:44:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	201498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	334723	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	141361	51.179	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.360%			
35) Dibromofluoromethane	5.385	113	112352	51.231	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.460%			
50) Toluene-d8	8.647	98	411592	49.780	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.560%			
62) 4-Bromofluorobenzene	11.079	95	189604	61.395	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 122.800%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	50179	19.019	ug/l	98
3) Chloromethane	1.288	50	45988	18.508	ug/l	99
4) Vinyl Chloride	1.374	62	50800	18.971	ug/l	98
5) Bromomethane	1.612	94	39617	17.303	ug/l	96
6) Chloroethane	1.685	64	33126	18.241	ug/l	100
7) Trichlorofluoromethane	1.886	101	94131	22.049	ug/l	96
8) Diethyl Ether	2.136	74	34927	22.453	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	45233	20.134	ug/l	96
10) Methyl Iodide	2.453	142	51824	19.268	ug/l	96
11) Tert butyl alcohol	2.965	59	65448	107.092	ug/l	96
12) 1,1-Dichloroethene	2.319	96	41517	19.908	ug/l	98
13) Acrolein	2.233	56	34435	75.955	ug/l	100
14) Allyl chloride	2.666	41	65509	19.586	ug/l	89
15) Acrylonitrile	3.062	53	138195	103.845	ug/l	99
16) Acetone	2.380	43	118037	99.574	ug/l	94
17) Carbon Disulfide	2.514	76	97519	18.039	ug/l	99
18) Methyl Acetate	2.703	43	63695	21.453	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	155913	21.068	ug/l	95
20) Methylene Chloride	2.788	84	48681	19.575	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	45784	19.491	ug/l	98
22) Diisopropyl ether	3.764	45	145180	20.312	ug/l	91
23) Vinyl Acetate	3.721	43	639252	103.744	ug/l	96
24) 1,1-Dichloroethane	3.611	63	83421	20.076	ug/l	99
25) 2-Butanone	4.556	43	188530	101.321	ug/l	97
26) 2,2-Dichloropropane	4.477	77	63070	19.358	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	53976	19.674	ug/l	99
28) Bromochloromethane	4.904	49	36196	20.695	ug/l	95
29) Tetrahydrofuran	5.007	42	121023	100.061	ug/l	94
30) Chloroform	5.093	83	91873	20.429	ug/l	95
31) Cyclohexane	5.471	56	73123	19.073	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	76647	19.523	ug/l	97
36) 1,1-Dichloropropene	5.690	75	64328	19.529	ug/l	100
37) Ethyl Acetate	4.715	43	73464	21.353	ug/l	98
38) Carbon Tetrachloride	5.678	117	67825	20.460	ug/l	97
39) Methylcyclohexane	7.379	83	75410	19.963	ug/l	97
40) Benzene	6.038	78	187451	19.801	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	39072	21.181	ug/l	94
42) 1,2-Dichloroethane	6.092	62	73317	20.997	ug/l	98
43) Isopropyl Acetate	6.342	43	112799	20.957	ug/l	95
44) Trichloroethene	7.123	130	50886	19.820	ug/l	94
45) 1,2-Dichloropropane	7.434	63	48862	20.687	ug/l	91
46) Dibromomethane	7.580	93	36922	20.932	ug/l	94
47) Bromodichloromethane	7.824	83	68335	20.867	ug/l	98
48) Methyl methacrylate	7.690	41	53960	20.753	ug/l #	87
49) 1,4-Dioxane	7.671	88	24934	383.864	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	377612	106.509	ug/l	93
52) Toluene	8.720	92	123769	20.324	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	67684	19.007	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	75019	20.359	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	53359	21.488	ug/l	98
56) Ethyl methacrylate	9.116	69	77999	20.742	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	86871	20.741	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	191451	103.990	ug/l	99
59) 2-Hexanone	9.433	43	287702	104.449	ug/l	90
60) Dibromochloromethane	9.525	129	51930	21.443	ug/l	95
61) 1,2-Dibromoethane	9.610	107	53977	20.696	ug/l	97
64) Tetrachloroethene	9.275	164	48952	17.706	ug/l	98
65) Chlorobenzene	10.080	112	160764	20.699	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	59367	21.578	ug/l	100
67) Ethyl Benzene	10.195	91	285912	20.538	ug/l	100
68) m/p-Xylenes	10.305	106	209156	38.590	ug/l	96
69) o-Xylene	10.647	106	105978	19.860	ug/l	96
70) Styrene	10.659	104	175311	20.230	ug/l	97
71) Bromoform	10.799	173	41943	19.565	ug/l #	99
73) Isopropylbenzene	10.964	105	279117	24.272	ug/l	99
74) N-amyl acetate	10.848	43	105521	23.343	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	94738	24.014	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	88830m	25.014	ug/l	
77) Bromobenzene	11.201	156	67106	24.663	ug/l	96
78) n-propylbenzene	11.305	91	325254	24.452	ug/l	100
79) 2-Chlorotoluene	11.366	91	197026	24.167	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	237124	24.747	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23982	22.457	ug/l #	79
82) 4-Chlorotoluene	11.457	91	229409	24.340	ug/l	99
83) tert-Butylbenzene	11.713	119	228920	24.675	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	234472	24.402	ug/l	98
85) sec-Butylbenzene	11.890	105	271062	23.686	ug/l	100
86) p-Isopropyltoluene	12.012	119	203740	21.217	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	115013	21.550	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	110216	19.910	ug/l	98
89) n-Butylbenzene	12.335	91	169329	20.351	ug/l	98
90) Hexachloroethane	12.543	117	30550	19.673	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	108244	20.646	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	17399	20.655	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	63768	21.059	ug/l	99
94) Hexachlorobutadiene	13.725	225	25876	21.034	ug/l	95
95) Naphthalene	13.780	128	232113	21.541	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	66008	21.704	ug/l	94

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

